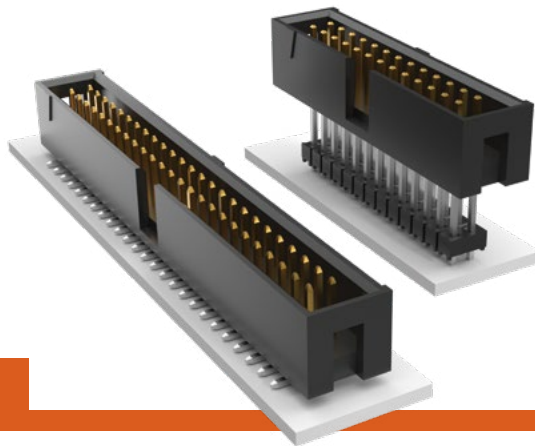


FLEX STACK

SHROUDED .025" SQ POST IDC HEADERS

(2.54 mm) .100" PITCH • TST/HTST/ZST SERIES



TST/HTST/ZST

Mates:

IDSD, HCSD

SPECIFICATIONS

Insulator Material:

TST, ZST=Black Glass
Filled Polyester
HTST=Natural LCP

Insulation Resistance:

5000 MΩ min

Terminal Material:

Phosphor Bronze

Plating:

Au or Sn over
50 μ" (1.27 μm) Ni

Current Rating (IDSD/TST):

3.4 A per pin

(2 pins powered)

Operating Temp Range:

-55 °C to +125 °C with Gold

-55 °C to +105 °C with Tin

Voltage Rating:

425 VAC/600 VDC

PROCESSING

Lead-Free Solderable:

HTST=Yes

TST, ZST= No, Lead Wave only

SMT Lead Coplanarity:

(0.10 mm) .004" max (05-15)

(0.15 mm) .006" max (17-36)*

*(.004" stencil solution

may be available; contact

ipg@samtec.com)

| SERIES | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION | OTHER OPTION |
|--------|---|------------------|------------|----------------|------------|--------------|
|--------|---|------------------|------------|----------------|------------|--------------|

TST
= Cable Strip

HTST
= High Temp
Cable Strip

**05, 07, 08, 10,
12, 13, 15, 17,
20, 25, 32, 36**
(Standard sizes)

Specify
**LEAD
STYLE**
from
chart

-F
= Gold flash
on post,
Matte Tin
on tail
(Not available
on -DV)

-L
= 10 μ" (0.25 μm)
Gold on post,
Matte Tin
on tail

-T
= Matte Tin

-D
= Double Row
Through-hole
(lead style -01,
-02 & -03 only)

-DV
= Double Row
Surface Mount
(lead style
-01 only)
(HTST only)

-D-RA
= Double Row
Right-angle
(lead style -04
& -05 only)

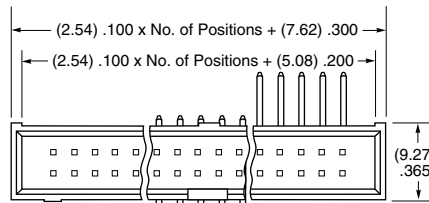
Surface Mount
(lead style
-01 only)
(HTST only)

-P
= Pick &
Place Pad

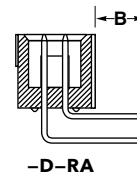
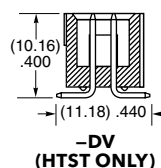
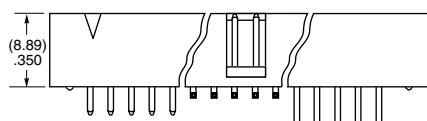
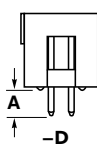
-TR
= Tape & Reel

-FR
= Full Reel
Tape & Reel
(must order max.
quantity per reel;
contact Samtec
for quantity
breaks)

| LEAD STYLE | THROUGH-HOLE (A) |
|------------|------------------|
| -01 | (2.92) .115 |
| -02 | (4.19) .165 |
| -03 | (14.35) .565 |



-D -DV -D-RA



| LEAD STYLE | RIGHT-ANGLE (B) |
|------------|-----------------|
| -04 | (3.30) .130 |
| -05 | (5.84) .230 |

| ZST | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | D | BODY HEIGHT |
|-----|---|------------------|------------|----------------|---|-------------|
|-----|---|------------------|------------|----------------|---|-------------|

ALSO AVAILABLE
MOQ Required

Other platings & sizes

Alignment Pins

Single Row

Locking Leads

Polarized

**05, 07, 08, 10,
12, 13, 15, 17,
20, 25, 32, 36**
(Standard sizes)

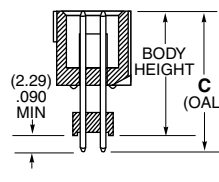
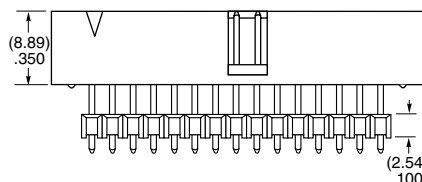
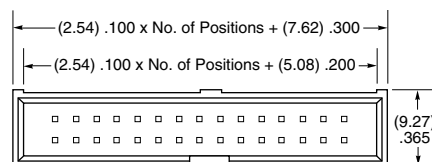
Specify
**LEAD
STYLE**
from
chart

-F
= Gold flash on post,
Matte Tin on tail

-L
= 10 μ" (0.25 μm)
Gold on post,
Matte Tin on tail

-T
= Matte Tin

-"XXXX"
= Body Height



| LEAD STYLE | C (OAL) | MAX BODY HEIGHT |
|------------|---------------|-----------------|
| -01 | (16.00) .630 | (13.72) .540 |
| -02 | (18.54) .730 | (16.26) .640 |
| -03 | (21.08) .830 | (18.80) .740 |
| -04 | (23.62) .930 | (21.34) .840 |
| -05 | (26.16) 1.030 | (23.88) .940 |
| -06 | (28.70) 1.130 | (26.42) 1.040 |
| -07 | (31.24) 1.230 | (28.96) 1.140 |
| -08 | (33.78) 1.330 | (31.50) 1.240 |
| -09 | (36.32) 1.430 | (34.04) 1.340 |

Note:

For added mechanical stability, Samtec recommends mechanical board spacers be used in applications with gold or selective gold plated connectors. Contact ipg@samtec.com for more information.

Note:

Some lengths, styles and options are non-standard, non-returnable. ZST is non-standard, non-returnable.

samtec.com?TST, samtec.com?HTST or samtec.com?ZST

F-221 (Rev 01Mar21)

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.

Mouser Electronics

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